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| **Create a creature Written portion** | **Beginning**  **(0 points)** | **Developing**  **(5 points)** | **Accomplished**  **(7.5 points)** | **Exemplary**  **(10 points)** | **Student grade** | **Teacher grade** |
| adaptations | No adaptation for nutrition mentioned. |  |  | One adaptation for nutrition. |  |  |
| No adaptation for locomotion mentioned. |  |  | One adaptation for locomotion. |  |  |
| No adaptation for defense mentioned. |  |  | One adaptation for defending itself. |  |  |
| Evolution of adaptation | Did not propose or explain a mechanism | Did not explain and have a clear understanding of mechanism | Did not explain mechanism adequately | Proposes and explains a viable mechanism of evolution for nutrition |  |  |
| Did not propose or explain a mechanism | Did not explain and have a clear understanding of mechanism | Did not explain mechanism adequately | Proposes and explains a viable mechanism of evolution for locomotion |  |  |
| Did not propose or explain a mechanism | Did not explain and have a clear understanding of mechanism | Did not explain mechanism adequately | Proposes and explains a viable mechanism of evolution for defense |  |  |
| Pattern of evolution | Did not propose or explain a pattern | Did not explain and have a clear understanding of pattern | Did not explain pattern adequately | Proposes and explains a pattern of evolution for nutrition |  |  |
| Did not propose or explain a pattern | Did not explain and have a clear understanding of pattern | Did not explain pattern adequately | Proposes and explains a pattern of evolution for locomotion |  |  |
| Did not propose or explain a pattern | Did not explain and have a clear understanding of pattern | Did not explain pattern adequately | Proposes and explains a pattern of evolution for defense |  |  |
| Evolutionary evidence | Missing both | Missing one | Does not use lines of reasoning suggested | Clearly describes the relationship of the known species to other known species in the region. Proposes at least two pieces of evidence for evolutionary relationships from one of the following lines of reasoning: fossil record, anatomy, embryology, biogeography, and/or biochemistry. |  |  |
| Web quest | Did not complete or hand in web quest | Web quest is partially completed | Web quest is mostly completed | Web quest is fully completed |  |  |
| Questions on animals | Did not complete or hand in questions | Questions were partially completed | Questions were mostly completed | Questions were completed |  |  |
| Brainstorm questions | Did not complete or hand in questions | Questions were partially completed | Questions were mostly completed | Questions were completed |  |  |
| Grammar, punctuation, word choice | Written portion is not clear and has major errors in grammar, spelling, and usage. | Written portion needs to communicate more clearly and effectively and has minor errors in grammar, spelling, and usage. | Written portion has minor errors in grammar, spelling, and usage. | Communicates clearly and effectively using precise language and appropriate vocabulary. Has few errors in grammar, spelling, and usage. |  |  |
| **Create a creature poster** |  |  |  |  |  |  |
|  | The poster is inappropriate and has the characteristics of an accomplished or developing poster. | The poster is missing graphics/title and is not professional/ clear/clean/organized. | The poster is missing a title/graphics or is not professional/clear, clean/organized. | The graphics, title, and overall appearance of the poster is appropriate for the audience. The design is professional, clear, clean and organized. |  |  |
|  | Does not depict any adaptations | Is missing two adaptations. | Is missing one adaptation. | Depicts the adaptations for nutrition, locomotion, and defense. Depicts other relevant biological characteristics described in your accompanying paper. |  |  |
|  | The artwork is not original work by the artist. | The artwork has no thought put into it, is not creative, and is not of high quality, but is original | The artwork has some thought put into it and is of moderate quality but is original. | Artwork is original and creative. The designer has put considerable thought into the design. The artwork is of excellent quality. |  |  |
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